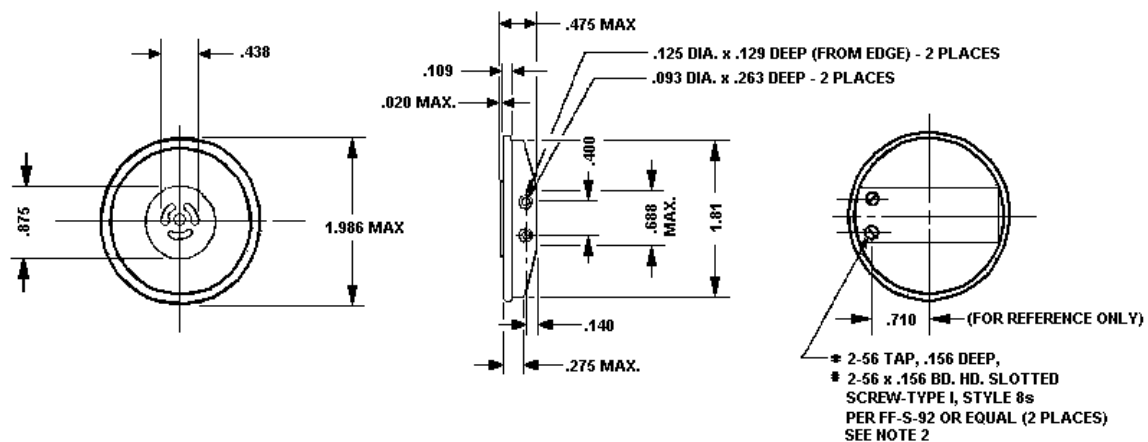


PERFORMANCE SPECIFICATION SHEET

EARPHONE ELEMENT, 1000 OHM GROUND LEVEL, WATER-IMMERSIBLE, M25670/5-01

This Specification is approved for use by all Departments
and Agencies of the Department of Defense.

The complete requirements for procuring the earphone element described herein shall consist of this document and the latest issue of MIL-PRF-25670.



NOTES:

1. Dimensions are in inches. Unless otherwise specified, tolerance is $\pm .015$ Decimals.
2. Screws shall be recessed, of type slotted or allen (for interchangeability of spares), and shall securely hold the next-higher-assembly headset-connector pins, preventing inadvertent disconnection.
3. Use of quantity and location of breather holes are optional.
4. All outer dimensions shall ensure a firm positioning of the element in standard earcup foam filler material (depth, contour, ear-position), as well as within the standard earcup retaining-ring.
5. Cable-connection holes shall be positioned within reach of standard-length headset cabling.

FIGURE 1. Earphone element, M25670/5-01.

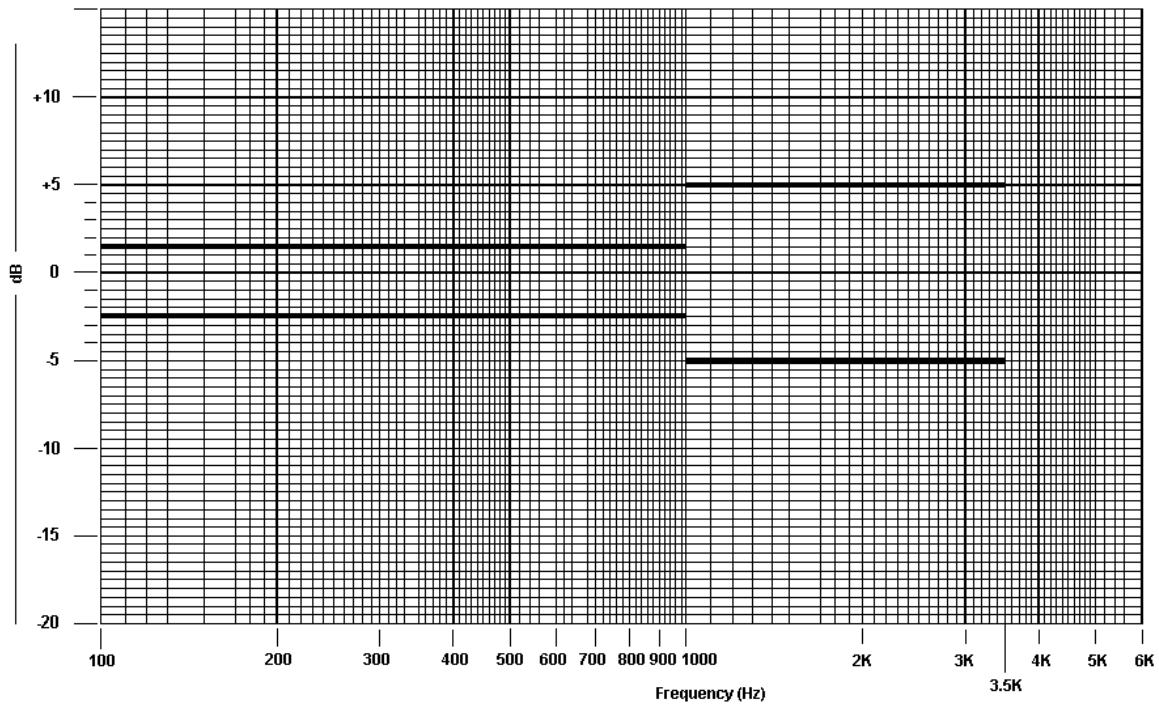


FIGURE 2. Frequency response envelope for earphone M25670/5-01.

Requirements:

Dimensions and configuration:	See figure 1.
Weight:	1.35 ounces, maximum.
Color:	The back case shall be dull black, or an equivalent low-contrast dark color.
Breather:	If the earphone element includes a breather hole in the back case, either as a hydroscopic breather, or a pressure equalization port, it shall be no more than 0.125 inch in diameter.
Stray magnetic field:	5° maximum, measured at a distance of 12 inches.
Frequency response Range:	100 to 3,500

MIL-PRF-25670/5

Frequency response:	Within the limits specified in figure 2.
Sensitivity:	The acoustic output of the earphone shall be not less than 105 dB above a reference level of 0.0002 dyne/cm ² when 1 milliwatt rms power at 1 KHz is applied to the earphone terminals.
Impedance:	1,000 ohms ±15%.
Harmonic distortion:	5% maximum at any frequency between 100 to 3.5 KHz.
Immersion:	The earphone element shall meet the frequency response requirements following immersion in three feet of water for 2 hours.
Marking:	Marking shall be in accordance with MIL-PRF-25670, with the addition that the part shall have the term "IMMERSIBLE" displayed on the back cover (location optional).

Intended use: Earphone element M25670/5-01 is a 1000-Ohm impedance, lightweight transducer used in Headset-Microphone Kit MK-1697()/G which is used in armored vehicle crewman helmets.

Custodians:
Army - CR
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5965-0370)